

Claims

[c1] **What is claimed is:**

1. A computer system comprising:
a memory comprising:
a message center;
an interpreter for interpreting data in a multiple task system, the interpreter comprising:
a scanner for reading at least one command from an input port and providing a token according to the category of the command;
a first parser for interpreting the command when the token indicates the first parser; and
a second parser for interpreting the command when the token indicates the second parser, for temporarily storing data generated after interpreting the command into the message center in the memory, and for executing the data stored in the message center after interpreting all other corresponding commands; and
a processor for processing programs and data stored in the memory.

[c2] 2. The computer system of claim 1 wherein the interpreter further comprises a symbol table for providing a

mapping of commands and symbols, in order to convert symbols input at the input port into commands.

- [c3] 3. The computer system of claim 1 wherein the multiple task system is a WindowsTM system.
- [c4] 4. The computer system of claim 1 wherein the input port is a command line or a script file.
- [c5] 5. The computer system of claim 1 wherein the first parser and the second parser can output data generated after interpreting the command by the first parser and the second parser to an output port.
- [c6] 6. The computer system of claim 5 wherein the output port is a file stored in the memory.
- [c7] 7. A method for executing an interpreter code in a multiple task system in a computer system, wherein the computer system comprising a memory and a processor, the memory comprising a scanner, a first parser, and a message center, the method comprising:
 - reading at least one command from an input port by the scanner and providing a token according to the category of the command;
 - interpreting the command by the first parser when the token indicates the first parser;
 - storing a second parser into the memory; and

interpreting the command by the second parser when the token indicates the second parser, temporarily storing data generated after interpreting the command into the message center in the memory, and executing the data stored in the message center after interpreting all other corresponding commands.

- [c8] 8.The method of claim 7 wherein the scanner converts symbols inputted at the input port into commands according to a symbol table.
- [c9] 9.The method of claim 7 wherein the multiple task system is a WindowsTM system.
- [c10] 10.The method of claim 7 wherein the input port is a command line or a script file.
- [c11] 11.The method of claim 7 wherein the first parser and the second parser can output data generated after interpreting the command by the first parser and the second parser to an output port.
- [c12] 12.The method of claim 11 wherein the output port is a file stored in the memory.